



# magicolor 5450 – Technical

## Printing Process

**Print Method:** electrophotographic laser

**Print Speed:**

Color: up to 27 ppm

Monochrome: up to 27 ppm

**First-Page-Output Time:**

Color: 14.1 seconds from an idle, ready state

Monochrome: 14.1 seconds from an idle, ready state

(Exact print speed differs depending on system configuration, software application, driver, and document complexity)

**Resolution:** 9600 x 600 dpi-class with Photo ART

**Recommended Duty Cycle:** up to 60,000 prints/month

## Hardware and Software Capabilities

**Processor Type:** Motorola® Power PC G4, 667 MHz

**Memory:** 256 MB DDR SDRAM, upgradeable to 1024 MB (two slots, one open); 184-pin, 266/333 MHz, PC-2100/2700

**Internal Hard Disk:** (optional) for downloaded fonts, forms, and profiles;

electronic collation; Job Accounting; direct PDF, JPEG, and TIFF printing; Proof then Print, Secured Job, Print & Hold, & Stored Job functions (40 GB)

**Operating System Compatibility:** Windows Server 2003/XP/2000/NT4 (SP6+)/Me/98SE; Macintosh OS 9 (v9.1+), OS X (v10.2+); Linux Red Hat 9, SuSE 8.2

**Printer Emulations:** PostScript 3, PCL 6, PDF 1.4 (hard disk required), JPEG/TIFF Direct Print (hard disk required)

**Printer Management:** PageScope Net Care; PageScope Web Connection;

PageScope Network Setup; PageScope EMS Plug-Ins for Tivoli Netview (2.0), CA Unicenter (2.0), HP OpenView, Microsoft Management Console (MMC); HP Web Jetadmin Plug-in; PageScope Plug and Print; PageScope

NDPS Gateway; Print Monitor; Status Monitor

**Color Support:** Enhanced Automatic Image Density Control (eAIDC); ICC

device profiles; Automatic ICC-based color matching; Dynamic Contone Screening; SWOP, Commercial, EuroColor, DIC, and TOYO press emulations; PANTONE® Color Tables

## Interface Support

**Standard:** Gigabit Ethernet (10/100/1000BaseTX); IEEE 1284 Parallel; USB 2.0 (supports Microsoft 'Plug and Play'); USB 1.1 Host Port (for future expansion)

**Ethernet Protocols:** TCP/IP, EtherTalk, IPX/SPX (NetWare 4/5/6), NDS Bindery, NDPS, NetBEUI, NetBIOS, UPnP, SMB, UPD, HTTP, HTTPS, IPP1.1, SNMP, LPD, FTP, DHCP, BootP, ARP, Auto IP, Ping/ARP, SMTP, SLP, TCP/IP socket

## Paper Handling

**Standard Paper Input:** 500-sheet cassette, 100-sheet multipurpose tray

**Optional Paper Input:** 500-sheet input feeder (up to two)

**Standard Paper Output:** 250-sheet face-down output tray

## Features at a Glance

Features	magicolor 5450
Compatibility	Windows/Macintosh/Linux
Print Speed - Monochrome	up to 27 ppm
Print Speed - Color	up to 27 ppm
Resolution	9600 x 600 dpi-class
Memory	256 MB (max. 1024 MB)
Network Interface	•
500-Sheet Cassette	•
100-Sheet Multipurpose Tray	•
500-Sheet Input Feeder	○
Automatic Duplexing	○

○ Optional    • Standard

**Duplex Printing:** manual (automatic optional)

**Paper Sizes Supported:**

500-sheet Cassette: Letter, A4

Multipurpose Tray: Letter, A4, Legal, Executive, Statement, Folio, Letter Plus, Foolscap, UK Quarto, Govt. Letter, Govt. Legal, A5, B5 (JIS), Kai 16, Kai 32;

Japanese Postcard, Double Postcard; Monarch, Com 10, DL, B5 (ISO), C5, C6, You 0, You 2, You 4, You 6, Chou 3, and Chou 4 Envelopes; Custom sizes (W)

3.62" - 8.5" (92 - 216 mm), (L) 5.83" - 14" (148 - 356 mm)

Input Feeder (optional): Letter, A4, Legal, Executive, Govt. Legal, B5 (JIS)

Duplexer (optional): Letter, A4, Legal, Executive, Folio, Govt. Legal, B5 (JIS)

**Printable Area:** .16" (4 mm) from all edges; 13.7" (348 mm) guaranteed print length maximum

**Paper Weights:**

Plain paper: 16 - 24 lb. Bond (60 - 90 g/m²)

Thick stock: 24 - 110 lb. Index (90 - 210 g/m²) - via Multipurpose Tray only

Duplexing: 16 - 24 lb. Bond (60 - 90 g/m²)

**Print Media:** plain paper, thick stock, glossy stock, OHP transparencies, laser-quality labels, and envelopes. Automatic duplexing on plain paper only.

## Physical

**Type:** laser printer with internal controller

**Dimensions (WxDxH):** 17.9" x 20.5" x 17.3" (455 x 520 x 440 mm)

**Weight:** w/o consumables: 68.2 lbs. (31 kg); w/ consumables: 81.4 lbs. (37 kg); as shipped: 95.5 lbs. (43 kg)

## Electrical

**Power Requirements:**

120V Model: 120 VAC ± 10%; 50/60 Hz ± 3%

220/240V Model: 220/240 VAC ± 10%; 50/60 Hz ± 3%

**Power Consumption:** Operating: 800 W average, 1,250 W maximum Standby: 170 W average

**Energy Star® Compliant:** 42.9 W or less

## Environmental

**Temperature Requirements:** Operating: 50° to 95° F (10° to 35° C)

Non-operating: 32° to 95° F (0° to 35° C)

**Humidity:** Operating: 15% to 85% RH

Non-operating: 10% to 85% RH

**Noise Levels:** Operating: <54 dB(A); Standby: <39 dB(A)

## Regulatory/Safety Conformity

UL, cUL, CSA, FCC-B, CDRH, DOC, SASO, RPC

## Consumables

Printer ships with one each Cyan, Magenta, Yellow, and Black Toner Cartridges (yield up to 3,000 letter/A4 pages @ 5% coverage); Transfer Belt; Waste Toner Box

**Replacement Cartridges:**

Cyan, Magenta, Yellow and Black toner cartridges yield up to 6,000 or 12,000 letter/A4 pages @ 5% coverage

The stated life expectancy of each consumable in your printer is based on printing under specific operating conditions such as page coverage for a particular page size (5% coverage of letter/A4). The actual consumable's life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.

## Typefaces

137 resident PostScript fonts, 93 PCL fonts, and 10 line printer fonts

## Warranty

1 year exchange



KONICA MINOLTA

# magicolor 5450



Robust, high-performance color laser printer for medium-to-large workgroups

Up to 27 ppm color and black & white

9600 x 600 dpi-class resolution

Gigabit Ethernet®, Hi-speed USB, and parallel interfaces

KONICA MINOLTA  
PRINTING SOLUTIONS U.S.A., INC.  
(USA, Canada, Latin America)  
Tel.: +1 (251) 633 4300  
Fax: +1 (251) 639 4490

Websites:  
buymagicolor.com  
http://printer.konicaminolta.com  
www.q-shop.com

PN:mc5450Ss04\_05

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\* The addition of some options, in some combinations, may cause the product to become non-compliant. Energy Star compliance does not represent an EPA endorsement of any product or service. Specifications are subject to change without notice.



KONICA MINOLTA



# Powerful Network Color Laser



*This network color laser is designed to meet your business needs—black & white and full color—with high-speed performance and superb color quality.*

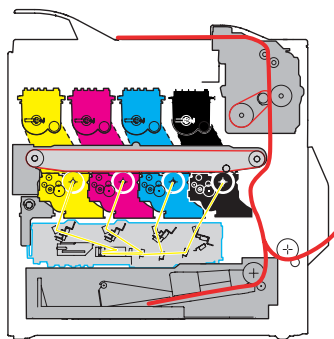
## QUICK SPECS

- 27 pages per minute in color and b&w
- First page out in 14 seconds
- 667 MHz PowerPC® processor
- 9600 x 600 dpi Photo ART contone resolution
- 256 MB DDR SDRAM std. / 1024 MB max.
- Gigabit Ethernet, USB 2.0, parallel interfaces
- PostScript® 3 (137 fonts), PCL® 6 (93 fonts)
- Windows®, Macintosh®, and Linux® compatible
- 60,000 page-per-month duty cycle
- 1-year exchange warranty

## Business-Class Performance

*The magicolor 5450's power keeps pace with your business.*

- **Single-pass laser technology** produces full-color and black-&-white prints at 27 ppm.
- An **Emperon** high-performance controller provides fast job processing for Windows, Macintosh, and Linux.
- Its **667 MHz PowerPC G4 processor** gives you the horsepower for complex files and images.
- The printer includes **256 MB DDR SDRAM**, which effectively doubles your file data throughput and consumes less energy.
- It's equipped with a **Gigabit Ethernet** interface for high-speed network printing in busy business workgroups.



Single-pass laser technology means more pages per day.

## Photographic Image Quality

*Revolutionary color technology is built in to generate outstanding prints.*

- **9600 x 600 dpi Photo ART** contone quality generates over 4000 colors per dot for photographic detail and smooth color gradients.
- **Dynamic Contone Screening** optimizes output by analyzing page elements and automatically adjusting color for you.
- The magicolor 5450 has industry-standard **ICC color matching** built in for automatic color rendering.
- To ensure color stays consistent on every print, every day, the printer uses **enhanced Automatic Image Density Control**.

## Small and Affordable

*Its small size is complemented by a small price for affordable color printing every day.*

- A **small size** allows the magicolor 5450 to fit easily on the desktop—or convert it to a free-standing model with a printer cabinet.
- This desktop color laser uses **long-life toner cartridges** that yield 6,000 or 12,000 pages for low-cost-per-page printing.



B&W cost per page based on 5% coverage  
Color cost per page based on 20% coverage

## basics

### FRONT KEYPAD

- Intuitive graphical display with dynamic "help" functions
- At-a-glance toner gauges

### PRINT SPEED

- Color: up to 27 ppm
- B&W: up to 27 ppm

### INTERFACES

- Gigabit Ethernet (10/100/1000BaseTX), Hi-speed USB 2.0, Parallel, USB 1.1 Host Port (for future expansion)

### MEMORY

- 256 MB RAM

### COMPATIBILITY

- Windows Server 2003/XP/2000/NT 4/Me/98SE
- Macintosh OS 9 (v9.1+), OS X (v10.2+)
- Linux Red Hat 9, SuSE 8.2
- PostScript 3, PCL 6, PDF, and JPEG/TIFF Direct Print

### RESOLUTION

- 9600 x 600 dpi-class with Photo ART
- eAIDC and ICC-based color matching

### PAPER SIZE AND INPUT

- Up to legal (8.5" x 14")
- 100-sheet multipurpose tray
- 500-sheet cassette
- Quick-view paper level indicator



## options

### HARD DISK

- For downloaded fonts, forms, and profiles; electronic collation; Job Accounting; direct PDF, JPEG, & TIFF printing; Proof then Print; Secured Job, Print & Hold, and Stored Job functions

### MEMORY

- Upgrade to 1024 MB

### DOCUMENT HANDLING

- Automatic duplexer for two-sided printing

### PAPER INPUT

- 500-sheet lower input feeder (add up to two)
- 1,600-sheet maximum input capacity
- Caster-based printer cabinet for storage of media and supplies



## Compatible with Your Business

*In a complex network environment, the magicolor 5450 shows off its multitasking side.*

- **PostScript 3 and PCL 6** languages support popular business applications, allowing the seamless creation and processing of all your color documents.
- **Mixed network support** for NetWare®, TCP/IP, EtherTalk®, and NetBIOS/NetBEUI ensures easy integration into your network configuration.
- Network administrators can count on the **PageScope™ Net Care** web-based utility for remote installation, management, and configuration of both KONICA MINOLTA and non-KONICA MINOLTA printers.
- Get real-time supply status, manage, and troubleshoot printers from virtually anywhere using your web browser and **PageScope Web Connection**.
- **Enterprise Management System Plug-ins** are available for seamless printing from OpenView, NetView, Unicenter, and Microsoft Management Console. A plug-in is also included for network administrators using **Web Jetadmin**.

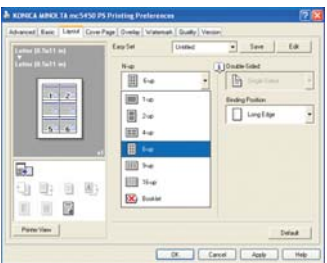
## User-Friendly Design

*Effortless operation is at your fingertips with the magicolor 5450.*

- Get out of the box and running in just minutes with **pre-installed toner and auto-install software** that automatically detects your printer on the network and guides you through setup.
- **Comprehensive printer drivers** simplify printing with collation, fit-to-page scaling, separation pages, watermark, tray selection, and secure printing options.
- **The Desktop Status Monitor** tells you the status of your print job and supply levels with a pop-up window on your monitor.



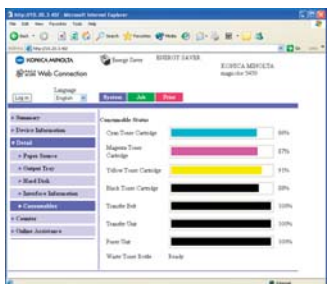
This network color laser offers business-class performance.



Access standard and advanced document handling functions through a versatile driver.



Revolutionary color technology is built in.



Get real-time supply status via your web browser.



KONICA MINOLTA